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Vonyx WM55

Vonyx WM55 Wireless UHF Microphone System User Manual

Model: WM55

Introduction

Thank you for purchasing the Vonyx WM55 Wireless UHF Microphone System. This compact and versatile system is designed for ease of use, providing clear audio transmission for various applications such as karaoke, public speaking, and live performances. This manual will guide you through the setup, operation, and maintenance of your new wireless microphone system.





Image: The Vonyx WM55 wireless microphone and its compact receiver with a 6.3mm jack. The microphone features a digital display showing frequency and battery status.

Package Contents

Please check the package to ensure all items are present and in good condition:

- 1x Vonyx WM55 Wireless Microphone
- 1x WM55 Receiver with 6.3mm Jack
- 1x USB Charging Cable
- 1x Rechargeable Li-Ion Battery (for receiver)
- 2x AA Batteries (for microphone)



Image: All components included in the Vonyx WM55 package: the wireless microphone, the receiver, a USB charging cable, a rechargeable battery for the receiver, and two AA batteries for the microphone.

Setup

1. Charging the Receiver

1. Locate the USB charging port on the WM55 receiver.
2. Connect the supplied USB charging cable to the receiver and the other end to a 5V USB power source (e.g., USB wall adapter, computer USB port, power bank).
3. The charging indicator light on the receiver will illuminate during charging and turn off or change color when fully charged.
4. A full charge typically takes approximately 2-3 hours.



Image: Close-up view of the Vonyx WM55 receiver, highlighting the USB charging port and the power switch. The charging indicator light is visible.

2. Installing Microphone Batteries

1. Unscrew the bottom part of the microphone to reveal the battery compartment.
2. Insert two AA batteries into the compartment, ensuring correct polarity (+/-).
3. Screw the bottom part back onto the microphone securely.



Image: The Vonyx WM55 receiver with its battery compartment open, showing the rechargeable Li-Ion battery inside. The antenna is extended.

3. Connecting the Receiver

1. Ensure your mixer, amplifier, or audio system has a 6.3mm (1/4 inch) microphone input.
2. Plug the WM55 receiver directly into the 6.3mm microphone input jack.
3. Turn on the receiver using the ON/OFF switch. The RF indicator light will illuminate.



Image: A Vonyx WM55 wireless microphone system in use, with the receiver plugged into a mixing console. A person is singing into the microphone on stage, demonstrating its application.

Operating Instructions

1. Powering On and Pairing

- Turn on the receiver by sliding the ON/OFF switch. The RF indicator will light up.
- Turn on the microphone by pressing and holding the power button on the microphone body. The display will illuminate.
- The microphone and receiver should automatically pair. If not, ensure they are within range (up to 50 meters in open areas).



Image: A close-up of the Vonyx WM55 wireless microphone, showing its digital display with frequency (863.0 MHz) and battery level indicators.

2. Changing Channels

- The WM55 system offers 10 selectable UHF channels (863-865 MHz) to avoid interference.
- To change the channel on the microphone, briefly press the power button. The channel number on the display will change.
- The receiver will automatically synchronize with the microphone's new channel.
- If you experience interference, try switching to a different channel.



Image: Another view of the Vonyx WM55 microphone, showing the digital display with a different frequency (864.0 MHz) and the channel selection button below it.

3. Adjusting Volume

Volume adjustments should be made on the connected mixer or amplifier, not on the microphone itself. Start with a low volume and gradually increase it to a comfortable level to avoid feedback.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the microphone and receiver. Do not use abrasive cleaners or solvents.
- **Battery Care:**
  - For the receiver's rechargeable battery, avoid fully discharging it frequently to prolong its lifespan.
  - Remove AA batteries from the microphone if it will not be used for an extended period to prevent leakage.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the microphone and receiver with care. Avoid dropping them or subjecting them to strong impacts.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No sound from microphone.	Microphone or receiver is off. Low or dead batteries. Receiver not properly connected. Incorrect channel selected. Mixer/amplifier input volume too low.	Ensure both microphone and receiver are powered on. Replace AA batteries in microphone; charge receiver battery. Check 6.3mm jack connection to audio system. Press the channel button on the microphone to find a clear channel. Increase input volume on your mixer/amplifier.
Interference or static.	Other wireless devices operating on the same frequency. Too far from receiver. Obstructions between microphone and receiver.	Change the channel on the microphone. Reduce distance between microphone and receiver (max 50m). Ensure clear line of sight.
Short battery life.	Old or low-quality batteries. Receiver battery not fully charged.	Use fresh, high-quality AA batteries. Ensure receiver is fully charged before use.

Specifications

Feature	Specification
Receiver Connection	6.3mm Jack
Frequency Band	UHF (863 - 865 MHz)
Number of Channels	10
Frequency Stability	0.001%
RF Output	10dBm
Signal-to-Noise Ratio	>90dB
Audio Frequency Range	40Hz - 18kHz
THD (Total Harmonic Distortion)	<0.5%
Output Level	300mV
Microphone Batteries	2x AA
Receiver Power Supply	5V via USB (USB power adapter not included)
Receiver Battery	3.7V Li-Ion (rechargeable)
Operating Range	30 - 50 meters (open area)
Microphone Form Factor	Handheld
Polar Pattern	Unidirectional
Receiver Dimensions (L x W x H)	115 x 35 x 25mm

Feature	Specification
Microphone Dimensions (L x W x H)	52 x 52 x 245mm
Total Weight (Set)	0.4 kg
Recommended Applications	Singing, Karaoke
Color	Black
Manufacturer	Tronios B.V.

Warranty and Support

Vonyx products are designed for reliability and performance. For warranty information and technical support, please refer to the warranty card included with your product or visit the official Vonyx website. You can also contact your local dealer for assistance.
For further assistance, please visit: www.vonyx.com

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